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OM protein - protein search, using sw model

Run on: July 10, 2002, 08:22:58 ; Search time 12.98 Seconds
(without alignments)
30.109 Million cell updates/sec

Title: US-09-508-054-19
Perfect score: 87
Sequence: 1 YLRIVQCRVSGSCGF 16

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 150 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCRTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	83	95.4	20	2	US-08-340-389A-2
2	83	95.4	20	4	US-09-245-712-2
3	83	95.4	26	4	US-09-245-712-3
4	83	95.4	26	4	US-09-245-712-5
5	83	95.4	168	6	5424199-3
6	83	95.4	176	3	US-08-791-728-1
7	83	95.4	176	3	US-08-791-728-2
8	83	95.4	177	1	US-08-187-756C-6
9	83	95.4	177	2	US-08-710-324A-6
10	83	95.4	191	4	US-08-800-215C-16
11	83	95.4	191	4	US-08-800-215C-18
12	83	95.4	191	4	US-08-800-215C-20
13	83	95.4	191	4	US-09-284-878-5
14	83	95.4	191	4	US-09-463-461-1
15	83	95.4	192	1	US-08-093-383-1
16	83	95.4	194	2	US-08-383-621-4
17	83	95.4	194	3	US-08-459-906-4
18	83	95.4	198	1	US-08-187-756C-5
19	83	95.4	198	2	US-08-710-324A-5
20	83	95.4	217	1	US-08-187-756C-4
21	83	95.4	217	1	US-08-469-658-51
22	83	95.4	217	2	US-08-469-658-51
23	83	95.4	217	3	US-08-710-324A-4
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27	83	95.4	217	4	US-08-759-628-11
28	83	95.4	217	4	US-09-284-878-1
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52	51.5	59.2	216	2	US-09-105-651-1
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54	48.5	55.7	191	1	US-07-922-523-1
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71	38	43.7	37	1	US-08-319-590-4
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87	37	42.5	237	4	US-09-227-357-154
88	37	42.5	390	3	US-08-961-564A-2
89	37	42.5	832	1	US-08-431-560-1
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97	36	41.4	79	4	US-09-103-489-15
98	36	41.4	99	4	US-09-199-637A-75
99	36	41.4	146	2	US-08-231-894A-15
100	36	41.4	199	3	US-08-737-248-5

101 36 41.4 702 4 US-09-232-200-102
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104 36 41.4 950 4 US-09-449-285A-4
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106 35 40.2 41 6 517197-38
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108 35 40.2 314 2 US-08-460-309-19
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112 35 40.2 582 2 US-08-403-852D-20
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125 35 40.2 1394 6 517197-30
126 35 40.2 1724 4 US-08-857-076-12
127 35 40.2 4544 1 US-08-469-486-52
128 35 40.2 4544 2 US-08-469-658-52
129 34.5 39.7 191 3 US-08-737-248-22
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131 34.5 39.7 199 3 US-08-737-248-8
132 34.5 39.7 426 3 US-08-737-248-4
133 34.5 39.7 1805 4 US-09-004-838-92
134 34 39.1 19 4 US-08-974-549A-136
135 34 39.1 39 2 US-08-169-948B-4
136 34 39.1 39 2 US-08-448-873-4
137 34 39.1 39 4 US-08-382-452D-4
138 34 39.1 43 2 US-08-488-161-86
139 34 39.1 43 3 US-09-273-685-86
140 34 39.1 43 5 PCT-US95-11934-86
141 34 39.1 99 1 US-08-085-122-4
142 34 39.1 99 2 US-08-319-052-4
143 34 39.1 99 4 US-08-442-108B-4
144 34 39.1 177 3 US-08-824-692-30
145 34 39.1 196 3 US-08-824-692-32
146 34 39.1 229 3 US-08-824-692-31
147 34 39.1 290 3 US-08-824-692-29
148 34 39.1 335 1 US-08-085-122-13
149 34 39.1 335 4 US-08-442-108B-23
150 34 39.1 348 4 US-09-071-709-2

ALIGNMENTS

RESULT 1
US-08-340-389A-2
; Sequence 2, Application US/08340389A
; Patent No. 5869452
; GENERAL INFORMATION:
; APPLICANT: NG, Frank M.
; APPLICANT: NATERA, Siria H.
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:

Sequence 102, Appl
Sequence 102, Appl
Sequence 102, Appl
Sequence 36, Appl
Patent No. 517197
Patent No. 517197
Sequence 19, Appl
Sequence 19, Appl
Sequence 11, Appl
Sequence 28, Appl
Sequence 20, Appl
Sequence 21, Appl
Sequence 20, Appl
Sequence 69, Appl
Sequence 69, Appl
Sequence 69, Appl
Sequence 7, Appl
Sequence 7, Appl
Sequence 94, Appl
Sequence 7, Appl
Sequence 94, Appl
Patent No. 517197
Sequence 12, Appl
Sequence 52, Appl
Sequence 52, Appl
Sequence 22, Appl
Sequence 8, Appl
Sequence 4, Appl
Sequence 92, Appl
Sequence 136, Appl
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Sequence 30, Appl
Sequence 32, Appl
Sequence 31, Appl
Sequence 29, Appl
Sequence 13, Appl
Sequence 23, Appl
Sequence 2, Appl

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,389A
; FILING DATE: 15-NOV-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 17227/118/DACO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-340-389A-2

Query Match 95.4%; Score 83; DB 2; Length 20;

Best Local Similarity 93.8%; Pred. No. 3.4e-07;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16

Db 5 FLRIVQCRSVEGSCGF 20

RESULT 2

US-09-245-712-2
; Sequence 2, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245,712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340,389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-245-712-2

Query Match 95.4%; Score 83; DB 4; Length 20;

Best Local Similarity 93.8%; Pred. No. 3.4e-07;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16

Db 5 FLRIVQCRSVEGSCGF 20

RESULT 3

US-09-245-712-3
; Sequence 3, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna

; APPLICANT: JIANG, Woel-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245,712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340,389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-245-712-3

Query Match 95.4%; Score 83; DB 4; Length 26;
Best Local Similarity 93.8%; Pred. No. 4.4e-07;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVCRSVEGSCGF 16
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Db 11 FLRIVCRSVEGSCGF 26

RESULT 4
US-09-245-712-5
; Sequence 5, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woel-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245,712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340,389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Monkey
US-09-245-712-5

Query Match 95.4%; Score 83; DB 4; Length 26;
Best Local Similarity 93.8%; Pred. No. 4.4e-07;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVCRSVEGSCGF 16
:|||||
Db 11 FLRIVCRSVEGSCGF 26

RESULT 5
5424199-3
; Patent No. 5424199
; APPLICANT: GOEDEL, DAVID V.; HEYNEKER, HERBERT L.
; TITLE OF INVENTION: HUMAN GROWTH HORMONE
; NUMBER OF SEQUENCES: 5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/250,639
; FILING DATE: 27-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 53,839
; FILING DATE: 26-APR-1993
; APPLICATION NUMBER: 859,285
; FILING DATE: 26-MAR-1992
; APPLICATION NUMBER: 393,808
; FILING DATE: 14-AUG-1989

; APPLICATION NUMBER: 37,319
; FILING DATE: 13-APR-1987
; APPLICATION NUMBER: 654,340
; FILING DATE: 25-SEP-1984
; APPLICATION NUMBER: 356,564
; FILING DATE: 09-MAR-1982
; APPLICATION NUMBER: 55,126
; FILING DATE: 05-JUL-1979
; SEQ ID NO: 3
; LENGTH: 168
5424199-3

Query Match 95.4%; Score 83; DB 6; Length 168;
Best Local Similarity 93.8%; Pred. No. 3e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVCRSVEGSCGF 16
:|||||
Db 153 FLRIVCRSVEGSCGF 168

RESULT 6
US-08-791-728-1
; Sequence 1, Application US/08791728
; Patent No. 6013773
; GENERAL INFORMATION:
; APPLICANT: KOBAYASHI, Hideki
; APPLICANT: AOKI, Mihoko
; APPLICANT: UCHIDA, Hiroshi
; APPLICANT: KUSUHARA, No. 6013773umi
; APPLICANT: MIYAMA, Yukio
; APPLICANT: ITO, Teruo
; APPLICANT: FUKUHARA, Akira
; APPLICANT: SATO, Tsutomu
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATION CONTAINING
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/791,728
; FILING DATE: 31-JAN-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 017342/1996
; FILING DATE: 02-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 029430-331
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 176 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-791-728-1

Query Match 95.4%; Score 83; DB 3; Length 176;
Best Local Similarity 93.8%; Pred. No. 3.1e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
:|||||
Db 161 FLRVQCRSVEGSCGF 176

RESULT 7
US-08-791-728-2
; Sequence 2, Application US/08791728
; Patent No. 6013773
; GENERAL INFORMATION:
; APPLICANT: KOBAYASHI, Hideki
; APPLICANT: AOKI, Minoko
; APPLICANT: UCHIDA, Hiroshi
; APPLICANT: KUSUHARA, No. 6013773umi
; APPLICANT: MIYAMA, Yukio
; APPLICANT: ITO, Teruo
; APPLICANT: FUKUHARA, Akira
; APPLICANT: SATO, Tsutomu
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATION CONTAINING
; HUMAN GROWTH HORMONE
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/791,728
; FILING DATE: 31-JAN-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 017342/1996
; FILING DATE: 02-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 029430-331
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 176 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-791-728-2

Query Match 95.4%; Score 83; DB 3; Length 176;
Best Local Similarity 93.8%; Pred. No. 3.1e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
:|||||
Db 161 FLRVQCRSVEGSCGF 176

RESULT 8
US-08-187-756C-6

; Sequence 6, Application US/08187756C
; Patent No. 5597709
; GENERAL INFORMATION:
; APPLICANT: ROSEN, ET AL.
; TITLE OF INVENTION: Human Growth Hormone
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/187,756C
; FILING DATE: January 27, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-55
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; US-08-187-756C-6

Query Match 95.4%; Score 83; DB 1; Length 177;
Best Local Similarity 93.8%; Pred. No. 3.1e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
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Db 162 FLRVQCRSVEGSCGF 177

RESULT 9
US-08-710-324A-6
; Sequence 6, Application US/08710324A
; Patent No. 5962411
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Human Growth Factor
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/710,324A
; FILING DATE: 16-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/187,756
; FILING DATE: 27-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PF104D1.SKB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-710-324A-6

Query Match 95.4%; Score 83; DB 2; Length 177;
Best Local Similarity 93.8%; Pred. No. 3.1e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
DB 162 FLRIVQCRSVEGSCGF 177

RESULT 10
US-08-800-215C-16
; Sequence 16, Application US/08800215C
; Patent No. 6238915
; GENERAL INFORMATION:
; APPLICANT: CHIHARA, Kazuo
; TITLE OF INVENTION: MUTANT HUMAN GROWTH HORMONES AND THEIR
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JACOBSON, PRICE, HOLMAN & STERN
; STREET: The Jenifer Building, 400 Seventh St. N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/800,215C
; FILING DATE: 12-FEB-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP JP/50940/96
; FILING DATE: 18-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP JP/178643/96
; FILING DATE: 18-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William E.
; REGISTRATION NUMBER: 31,409
; REFERENCE/DOCKET NUMBER: 10890/P60840US0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-638-6666
; TELEFAX: 202-393-5350
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191 amino acids

; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-800-215C-16

Query Match 95.4%; Score 83; DB 4; Length 191;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
DB 176 FLRIVQCRSVEGSCGF 191

RESULT 11
US-08-800-215C-18
; Sequence 18, Application US/08800215C
; Patent No. 6238915
; GENERAL INFORMATION:
; APPLICANT: CHIHARA, Kazuo
; TITLE OF INVENTION: MUTANT HUMAN GROWTH HORMONES AND THEIR
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JACOBSON, PRICE, HOLMAN & STERN
; STREET: The Jenifer Building, 400 Seventh St. N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/800,215C
; FILING DATE: 12-FEB-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP JP/50940/96
; FILING DATE: 18-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP JP/178643/96
; FILING DATE: 18-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William E.
; REGISTRATION NUMBER: 31,409
; REFERENCE/DOCKET NUMBER: 10890/P60840US0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-638-6666
; TELEFAX: 202-393-5350
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-800-215C-18

Query Match 95.4%; Score 83; DB 4; Length 191;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
DB 176 FLRIVQCRSVEGSCGF 191

RESULT 12
US-08-800-215C-20

; Sequence 20, Application US/08800215C
; Patent No. 6238915
; GENERAL INFORMATION:
; APPLICANT: CHIHARA, Kazuo
; TITLE OF INVENTION: MUTANT HUMAN GROWTH HORMONES AND THEIR
; TITLE OF INVENTION: USES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JACOBSON, PRICE, HOLMAN & STERN
; STREET: The Jennifer Building, 400 Seventh St. N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/800,215C
; FILING DATE: 12-FEB-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP JP/50940/96
; FILING DATE: 18-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP JP/178643/96
; FILING DATE: 18-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William E.
; REGISTRATION NUMBER: 31,409
; REFERENCE/DOCKET NUMBER: 10890/P60840USO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-638-6666
; TELEFAX: 202-393-5350
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-800-215C-20

Query Match 95.4%; Score 83; DB 4; Length 191;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
Db 176 FLRIVQCRSVEGSCGF 191

RESULT 13
US-09-284-878-5
; Sequence 5, Application US/09284878
; Patent No. 6342375
; GENERAL INFORMATION:
; APPLICANT: Olazaran, Martha Guerrero
; APPLICANT: Saldana, Hugo Barrera
; APPLICANT: Salvado, Jose Maria Viader
; TITLE OF INVENTION: Genetically Modified Methylotrophic P. pastoris Yeast for the
; TITLE OF INVENTION: Production and Secretion of the Human Growth Hormone
; FILE REFERENCE: 1829.001000
; CURRENT APPLICATION NUMBER: US/09/284,878
; CURRENT FILING DATE: 1999-07-21
; PRIOR APPLICATION NUMBER: PCT/MX97/00033
; PRIOR FILING DATE: 1997-10-24
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 5
; LENGTH: 191

; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-284-878-5

Query Match 95.4%; Score 83; DB 4; Length 191;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
Db 176 FLRIVQCRSVEGSCGF 191

RESULT 14
US-09-465-461-1
; Sequence 1, Application US/09465461
; Patent No. 6348444
; GENERAL INFORMATION:
; APPLICANT: CHAPPEL, Scott
; TITLE OF INVENTION: Human Growth Hormone to stimulate hematopoiesis and immune rec
; FILE REFERENCE: CHAPPEL-6.1
; CURRENT APPLICATION NUMBER: US/09/465,461
; CURRENT FILING DATE: 1999-12-17
; PRIOR APPLICATION NUMBER: 60/112,668
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 191
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-465-461-1

Query Match 95.4%; Score 83; DB 4; Length 191;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
Db 176 FLRIVQCRSVEGSCGF 191

RESULT 15
US-08-093-383-1
; Sequence 1, Application US/08093383
; Patent No. 5489529
; GENERAL INFORMATION:
; APPLICANT: DeBoer, Herman A.
; APPLICANT: Heyneker, Herbert L.
; APPLICANT: Seeburg, Peter H.
; TITLE OF INVENTION: DNA for Expression of Bovine Growth Hormone
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; FILING DATE: 14-JUL-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/619827

; FILING DATE: 28-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/198824
; FILING DATE: 05-APR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/632361
; FILING DATE: 19-JUL-1984
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/303687
; FILING DATE: 18-SEP-1981
; ATTORNEY/AGENT INFORMATION:
; NAME: Johnston, Sean A.
; REGISTRATION NUMBER: P35,910
; REFERENCE/DOCKET NUMBER: 46C4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-3562
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 192 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-093-383-1

Query Match 95.4%; Score 83; DB 1; Length 192;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
:|||||

Db 177 FLRIVQCRSVEGSCGF 192

RESULT 16
US-08-383-621-4
; Sequence 4, Application US/08383621
; Patent No. 5951972
; GENERAL INFORMATION:
; APPLICANT: Daley, Michael J.
; APPLICANT: Buckwalter, Brian L.
; APPLICANT: Cady, Susan M.
; APPLICANT: Shieh, Hong-Ming
; APPLICANT: Bohlen, Peter
; APPLICANT: Seddon, Andrew P.
; TITLE OF INVENTION: Stabilization Of Somatotropins And Other
; TITLE OF INVENTION: Proteins By Modification Of Cysteine Residues
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dr. Estelle J. Tsevdos
; STREET: 1937 West Main Street, P.O. Box 60
; CITY: Stamford
; STATE: Connecticut
; COUNTRY: U.S.A.
; ZIP: 06904-0060
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/383.621
; FILING DATE: 06-FEB-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/766,142
; FILING DATE: 25-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Tsevdos, Estelle J.
; REGISTRATION NUMBER: 31,145
; REFERENCE/DOCKET NUMBER: 31,278-01
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 203-321-2756
; TELEFAX: 203-321-2971
; TELEX: 203-710-474-4059
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-383-621-4

Query Match 95.4%; Score 83; DB 2; Length 194;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
:|||||

Db 179 FLRIVQCRSVEGSCGF 194

RESULT 17
US-08-459-906-4
; Sequence 4, Application US/08459906
; Patent No. 6010999
; GENERAL INFORMATION:
; APPLICANT: Daley, Michael J.
; APPLICANT: Buckwalter, Brian L.
; APPLICANT: Cady, Susan M.
; APPLICANT: Shieh, Hong-Ming
; APPLICANT: Bohlen, Peter
; APPLICANT: Seddon, Andrew P.
; TITLE OF INVENTION: Stabilization Of Somatotropins And Other
; TITLE OF INVENTION: Proteins By Modification Of Cysteine Residues
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: One Cyanamid Plaza
; CITY: Wayne
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07470-8426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459.906
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Webster, Darryl L.
; REGISTRATION NUMBER: 34,276
; REFERENCE/DOCKET NUMBER: 31,278-03
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-831-3247
; TELEFAX: 201-831-3305
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-459-906-4

Query Match 95.4%; Score 83; DB 3; Length 194;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
:|||||

Db 179 FLRIVCRSVEGSCGF 194

RESULT 18
US-08-187-756C-5
; Sequence 5, Application US/08187756C
; Patent No. 5597709
; GENERAL INFORMATION:
; APPLICANT: ROSEN, ET AL.
; TITLE OF INVENTION: Human Growth Hormone
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/187,756C
; FILING DATE: January 27, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-55
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744

; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 198 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-187-756C-5

Query Match 95.4%; Score 83; DB 1; Length 198;
Best Local Similarity 93.8%; Pred. No. 3.5e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLRIVCRSVEGSCGF 16
:|||||

Db 183 FLRIVCRSVEGSCGF 198

RESULT 19
US-08-710-324A-5
; Sequence 5, Application US/08710324A
; Patent No. 5962411
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Human Growth Factor
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/710,324A
; FILING DATE: 16-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/187,756
; FILING DATE: 27-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PFI04D1.SKB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 198 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-710-324A-5

Query Match 95.4%; Score 83; DB 2; Length 198;
Best Local Similarity 93.8%; Pred. No. 3.5e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLRIVCRSVEGSCGF 16
:|||||

Db 183 FLRIVCRSVEGSCGF 198

RESULT 20
US-08-187-756C-4
; Sequence 4, Application US/08187756C
; Patent No. 5597709
; GENERAL INFORMATION:
; APPLICANT: ROSEN, ET AL.
; TITLE OF INVENTION: Human Growth Hormone
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/187,756C
; FILING DATE: January 27, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-55
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-187-736C-4

Query Match 95.4%; Score 83; DB 1; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
:|||||

DB 202 FLRIVQCRSVEGSCGF 217

RESULT 21
US-08-469-486-51
; Sequence 51, Application US/08469486
; Patent No. 5739281

; GENERAL INFORMATION:
; APPLICANT: Thøgersen, Hans Christian
; APPLICANT: Holtet, Thor Las
; APPLICANT: Etzerødt, Michael
; TITLE OF INVENTION: Improved method for the refolding of
; TITLE OF INVENTION: proteins
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110-2804

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version
; SOFTWARE: #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,486
; FILING DATE: February 4, 1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/192,060
; FILING DATE: February 4, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 06363/002001

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 542 5070
; TELEFAX: 617 542 8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-469-486-51

Query Match 95.4%; Score 83; DB 1; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
:|||||

DB 202 FLRIVQCRSVEGSCGF 217

RESULT 22

US-08-469-658-51
; Sequence 51, Application US/08469658
; Patent No. 5917018

; GENERAL INFORMATION:
; APPLICANT: Thøgersen, Hans Christian
; APPLICANT: Holtet, Thor Las
; APPLICANT: Etzerødt, Michael
; TITLE OF INVENTION: IMPROVED METHOD FOR THE REFOLDING OF
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110-2804

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version
; SOFTWARE: #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,658
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/192,060
; FILING DATE: February 4, 1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 06363/002002

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 542 5070
; TELEFAX: 617 542 8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-469-658-51

Query Match 95.4%; Score 83; DB 2; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
:|||||

DB 202 FLRIVQCRSVEGSCGF 217

RESULT 23

US-08-710-324A-4
; Sequence 4, Application US/08710324A
; Patent No. 5962411

; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Human Growth Factor
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue

;
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/710,324A
; FILING DATE: 16-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/187,756
; FILING DATE: 27-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PF104D1.SKB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; US-08-710-324A-4

Query Match 95.4%; Score 83; DB 2; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
:|||||

Db 202 FLRIVQCRSVEGSCGF 217

RESULT 24
US-08-589-028-10
; Sequence 10, Application US/08589028
; Patent No. 6087129
; GENERAL INFORMATION:
; APPLICANT: Newgard, Christopher B.
; APPLICANT: Halban, Philippe
; APPLICANT: No. 6087129mington, Karl D.
; APPLICANT: Clark, Samuel A.
; APPLICANT: Thigpen, Anice E.
; APPLICANT: Quade, Christian
; APPLICANT: Kruse, Fred
; TITLE OF INVENTION: Recombinant Expression of Proteins From
; SECRETORY CELL LINES
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P. O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/589,028
; FILING DATE: Concurrently Herewith
; CLASSIFICATION: 435

;
; ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 47,642
; REFERENCE/DOCKET NUMBER: UTSD:426\HYL
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (512) 474-7577
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; US-08-589-028-10

Query Match 95.4%; Score 83; DB 3; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
:|||||

Db 202 FLRIVQCRSVEGSCGF 217

RESULT 25
US-08-784-582-10
; Sequence 10, Application US/08784582
; Patent No. 6110707
; GENERAL INFORMATION:
; APPLICANT: Newgard, Christopher B.
; APPLICANT: Halban, Philippe A.
; APPLICANT: No. 6110707mington, Karl D.
; APPLICANT: Clark, Samuel A.
; APPLICANT: Thigpen, Anice E.
; APPLICANT: Quade, Christian
; APPLICANT: Kruse, Fred
; APPLICANT: McGarry, Dennis
; TITLE OF INVENTION: RECOMBINANT EXPRESSION OF PROTEINS FROM
; SECRETORY CELL LINES
; NUMBER OF SEQUENCES: 79
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/784,582
; FILING DATE: Concurrently Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,427
; FILING DATE: 15-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/589,028
; FILING DATE: 19-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 37,642
; REFERENCE/DOCKET NUMBER: UTSD:514
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 amino acids

;
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-784-582-10

Query Match 95.4%; Score 83; DB 3; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
DB 202 FLRIVQCRSVEGSCGF 217

RESULT 26
US-08-785-271-10
; Sequence 10, Application US/08785271
; Patent No. 6194176
; GENERAL INFORMATION:
; APPLICANT: Newgard, Christopher B.
; APPLICANT: Halban, Philippe A.
; APPLICANT: No. 6194176minston, Karl D.
; APPLICANT: Clark, Samuel A.
; APPLICANT: Thigpen, Anice E.
; APPLICANT: Quade, Christian
; APPLICANT: Kruse, Fred
; TITLE OF INVENTION: RECOMBINANT EXPRESSION OF PROTEINS FROM
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/785,271
FILING DATE: Concurrently Herewith
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/589,028
FILING DATE: 19-JAN-1996

ATTORNEY/AGENT INFORMATION:
NAME: Highlander, Steven L.
REGISTRATION NUMBER: 37,642
REFERENCE/DOCKET NUMBER: UTSD:513
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577

INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 217 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-785-271-10

Query Match 95.4%; Score 83; DB 4; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
DB 202 FLRIVQCRSVEGSCGF 217

RESULT 27
US-08-759-628-11
; Sequence 11, Application US/08759628
; Patent No. 6225446
; GENERAL INFORMATION:
; APPLICANT: Altmann, Scott W.
; APPLICANT: Rock, Fernando L.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: MUTATIONAL VARIANTS OF MAMMLIAN PROTEINS
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/759,628
FILING DATE: 05-DEC-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/008,574
FILING DATE: 06-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX05520
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-852-9196
TELEFAX: 415-496-1200
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 217 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Peptide
LOCATION: 32..53
FEATURE:
NAME/KEY: Peptide
LOCATION: 94..115
FEATURE:
NAME/KEY: Peptide
LOCATION: 133..153
FEATURE:
NAME/KEY: Peptide
LOCATION: 192..210
OTHER INFORMATION: /note= "The peptides above are
OTHER INFORMATION: depicted in Figure 1"
US-08-759-628-11

Query Match 95.4%; Score 83; DB 4; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
DB 202 FLRIVQCRSVEGSCGF 217

RESULT 28
US-09-284-878-1

; Sequence 1, Application US/09284878
; Patent No. 6342375
; GENERAL INFORMATION:
; APPLICANT: Olazaran, Martha Guerrero
; APPLICANT: Saldana, Hugo Barrera
; APPLICANT: Salvado, Jose Maria Viader
; TITLE OF INVENTION: Genetically Modified Methylotrophic P. pastoris Yeast for the
; TITLE OF INVENTION: Production and Secretion of the Human Growth Hormone
; FILE REFERENCE: 1829.0010000
; CURRENT APPLICATION NUMBER: US/09/284,878
; CURRENT FILING DATE: 1999-07-21
; PRIOR APPLICATION NUMBER: PCT/MX97/00033
; PRIOR FILING DATE: 1997-10-24
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 217
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-284-878-1

Query Match 95.4%; Score 83; DB 4; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
:|||||
DB 202 FLRVQCRSVEGSCGF 217

RESULT 29

US-08-340-389A-1
; Sequence 1, Application US/08340389A
; Patent No. 5869452

; GENERAL INFORMATION:
; APPLICANT: NG, Frank M.
; APPLICANT: NATERA, Siria H.
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,389A
; FILING DATE: 15-NOV-1994
; CLASSIFICATION: 514

; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 17227/118/DACO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-340-389A-1

Query Match 92.0%; Score 80; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 7.6e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 LRIVQCRSVEGSCGF 16
:|||||
DB 1 LRIVQCRSVEGSCGF 15

RESULT 30

US-09-245-712-1
; Sequence 1, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245,712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340,389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-245-712-1

Query Match 92.0%; Score 80; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 7.6e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 LRIVQCRSVEGSCGF 16
:|||||
DB 1 LRIVQCRSVEGSCGF 15

RESULT 31

US-09-245-712-4
; Sequence 4, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245,712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340,389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-245-712-4

Query Match 92.0%; Score 80; DB 4; Length 26;
Best Local Similarity 87.5%; Pred. No. 1.3e-06;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
:|||||
DB 11 FLRMVQCRSVEGSCGF 26

```
RESULT 32
US-09-245-712-7
; Sequence 7, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245.712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340.389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Murine
US-09-245-712-7
```

```
Query Match 59.2%; Score 51.5; DB 4; Length 27;
Best Local Similarity 58.8%; Pred. No. 0.05;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;
```

```
Qy 1 YLRIVQCRS-VEGSCGF 16
| | | | | | | | | | | | | | | |
Db 11 YLRVMKCRRFVSSCAF 27
```

```
RESULT 33
US-09-245-712-8
; Sequence 8, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245.712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340.389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Hamster
US-09-245-712-8
```

```
Query Match 59.2%; Score 51.5; DB 4; Length 27;
Best Local Similarity 58.8%; Pred. No. 0.05;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;
```

```
Qy 1 YLRIVQCRS-VEGSCGF 16
| | | | | | | | | | | | | | | |
Db 11 YLRVMKCRRFVSSCAF 27
```

```
RESULT 34
US-09-245-712-9
; Sequence 9, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woei-Jia
```

```
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245.712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340.389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Whale
US-09-245-712-9
```

```
Query Match 59.2%; Score 51.5; DB 4; Length 27;
Best Local Similarity 58.8%; Pred. No. 0.05;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;
```

```
Qy 1 YLRIVQCRS-VEGSCGF 16
| | | | | | | | | | | | | | | |
Db 11 YLRVMKCRRFVSSCAF 27
```

```
RESULT 35
US-09-245-712-10
; Sequence 10, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245.712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340.389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Vulpes, Canis familiaris or Felis catus
US-09-245-712-10
```

```
Query Match 59.2%; Score 51.5; DB 4; Length 27;
Best Local Similarity 58.8%; Pred. No. 0.05;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;
```

```
Qy 1 YLRIVQCRS-VEGSCGF 16
| | | | | | | | | | | | | | | |
Db 11 YLRVMKCRRFVSSCAF 27
```

```
RESULT 36
US-09-245-712-11
; Sequence 11, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245.712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340.389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
```

Matches	10;	Conservative	3;	Mismatches	3;	Indels	1;	Gaps	1;
---------	-----	--------------	----	------------	----	--------	----	------	----

; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woel-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245,712
; EARLIER FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340,389
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 19
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Mammal
US-09-245-712-19

Query Match 59.2%; Score 51.5; DB 4; Length 27;
Best Local Similarity 58.8%; Pred. No. 0.05;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVOCRS-VEGSCGF 16
|||::|| ||| |
DB 11 YLRVMKCRFEVSSCAF 27

RESULT 42
US-07-963-331D-3
; Sequence 3, Application US/07963331D
; Patent No. 5334511
; GENERAL INFORMATION:
; APPLICANT: Harada, Yasuhiro
; APPLICANT: Nakano, Eiichi
; APPLICANT: Tatsumi, Hiroki
; APPLICANT: Umez, Motoaki
; TITLE OF INVENTION: Isolated Mink Growth
; TITLE OF INVENTION: Hormone Genes, No. 5334511el Recombinant DNA And
; TITLE OF INVENTION: Methods for Producing Mink Growth Hormone.
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Limbach & Limbach
; STREET: 2001 Ferry Building
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0,
; SOFTWARE: Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/963,331D
; FILING DATE: 19921016
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Deigotsits, Michael E.
; REGISTRATION NUMBER: 31,243
; REFERENCE/DOCKET NUMBER: HIRA-00600
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 433-4150
; TELEFAX: (415) 433-8716
; TELEX: 278356
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 190
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: Linear

; MOLECULE TYPE: Protein
; ORIGINAL SOURCE:
; ORGANISM: Dark mink
; TISSUE TYPE: Pituitary gland
; CELL TYPE: Growth hormone
; FEATURE:
; OTHER INFORMATION:
US-07-963-331D-3

Query Match 59.2%; Score 51.5; DB 1; Length 190;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVOCRS-VEGSCGF 16
|||::|| ||| |
DB 174 YLRVMKCRFEVSSCAF 190

RESULT 43
US-08-388-267C-2
; Sequence 2, Application US/08388267C
; Patent No. 5686268
; GENERAL INFORMATION:
; APPLICANT: JONES,, ELAINE V.
; APPLICANT: SATHE,, GANESH M.
; APPLICANT: O'BRIEN,, SHAWN
; APPLICANT: CLARK,, MICHAEL T.
; APPLICANT: ALLIA,, HECTOR W.
; APPLICANT: MILLER,, TIMOTHY J.
; TITLE OF INVENTION: FUSION PROTEINS
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PFIZER INC.
; STREET: 235 EAST 42ND STREET
; CITY: NEW YORK
; STATE: NY
; COUNTRY: U.S.A.
; ZIP: 10017-5755
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/388,267C
; FILING DATE: 27-JAN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: KOLLER, ALAN L.
; REGISTRATION NUMBER: 37,371
; REFERENCE/DOCKET NUMBER: PC9042A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-573-2118
; TELEFAX: 212-808-8893
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 190 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-388-267C-2

Query Match 59.2%; Score 51.5; DB 1; Length 190;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVOCRS-VEGSCGF 16
|||::|| ||| |
DB 174 YLRVMKCRFEVSSCAF 190

RESULT 44
US-09-277-720-2
; Sequence 2, Application US/09277720
; Patent No. 6328974
; GENERAL INFORMATION:
; APPLICANT: Jones, Elaine V.
; APPLICANT: Sathe, Ganesh M.
; APPLICANT: O'Brien, Shawn
; APPLICANT: Clark, Michael T
; APPLICANT: Ailla, Hector W
; APPLICANT: Miller, Timothy J
; TITLE OF INVENTION: VACCINES THAT POTENTIATE GROWTH HORMONE ACTIVITY (as amended)
; FILE REFERENCE: PC9042C
; CURRENT APPLICATION NUMBER: US/09/277,720
; EARLIER FILING DATE: 1999-03-26
; EARLIER APPLICATION NUMBER: 07/901,704
; EARLIER FILING DATE: 1992-06-19
; EARLIER APPLICATION NUMBER: 08/388,267
; EARLIER FILING DATE: 1995-01-27
; EARLIER APPLICATION NUMBER: 08/846,913
; EARLIER FILING DATE: 1997-04-30
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 2
; LENGTH: 190
; TYPE: PRT
; ORGANISM: Sus scrofa
US-09-277-720-2

Query Match 59.2%; Score 51.5; DB 4; Length 190;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVQCRS-VEGSCGF 16
|||::||| || || |
Db 174 YLRVMKRRFVESSCAF 190

RESULT 45
US-07-963-331D-4
; Sequence 4, Application US/07963331D
; Patent No. 5334511
; GENERAL INFORMATION:
; APPLICANT: Harada, Yasuhiro
; APPLICANT: Nakano, Eiichi
; APPLICANT: Tatsumi, Hiroki
; APPLICANT: Umezu, Motoaki
; TITLE OF INVENTION: Isolated Mink Growth
; TITLE OF INVENTION: Hormone Genes, No. 5334511el Recombinant DNA And
; TITLE OF INVENTION: Methods For Producing Mink Growth Hormone.
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Limbach & Limbach
; STREET: 2001 Perry Building
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0,
; SOFTWARE: Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/963,331D
; FILING DATE: 19921016
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dergosits, Michael E.

; REGISTRATION NUMBER: 31,243
; REFERENCE/DOCKET NUMBER: HIRA-00600
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 433-4150
; TELEFAX: (415) 433-8716
; TELEX: 278356
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: Linear
; MOLECULE TYPE: Protein
; ORIGINAL SOURCE:
; ORGANISM: Dark mink
; TISSUE TYPE: Pituitary gland
; CELL TYPE: Growth hormone
; FEATURE:
; OTHER INFORMATION:
US-07-963-331D-4

Query Match 59.2%; Score 51.5; DB 1; Length 191;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVQCRS-VEGSCGF 16
|||::||| || || |
Db 175 YLRVMKRRFVESSCAF 191

RESULT 46
US-08-468-824-8
; Sequence 8, Application US/08468824
; Patent No. 5747290
; GENERAL INFORMATION:
; APPLICANT: EMTAGE, JOHN S.
; APPLICANT: BRANDON, MALCOLM R.
; TITLE OF INVENTION: Process for the Production of
; TITLE OF INVENTION: Recombinant Polypeptides
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SPENCER, FRANK & SCHNEIDER
; STREET: 1111 Nineteenth St., N.W.,
; CITY: Washington
; STATE: DC
; COUNTRY: US
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,824
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/134,946
; FILING DATE: 12-OCT-1993
; APPLICATION NUMBER: US 07/984,244
; FILING DATE: 01-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/717,179
; FILING DATE: 18-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/480,051
; FILING DATE: 14-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/148,519
; FILING DATE: 26-JAN-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Schneller, John W.

; REGISTRATION NUMBER: 26,031
; REFERENCE/DOCKET NUMBER: CARPR 0025C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 828-8000
; TELEFAX: (202) 828-8038
; TELEX: SPENCER 64267
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-468-824-8

Query Match 59.2%; Score 51.5; DB 1; Length 191;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

Qy 1 YLRIVQCRS-VEGSCGF 16
|||::|| ||||
Db 175 YLRVMKCRFVESSCAF 191

RESULT 47

5210180-1
; Patent No. 5210180
; APPLICANT: WANG, BOSCO.; HART, IAN C.; SHIEH, HONG-MING
; TITLE OF INVENTION: ENHANCEMENT OF PORCINE SOMATOTROPIN
; ACTIVITY
; NUMBER OF SEQUENCES: 8
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/427,669
; FILING DATE: 27-OCT-1989
; SEQ ID NO: 1:
; LENGTH: 191
5210180-1

Query Match 59.2%; Score 51.5; DB 6; Length 191;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

Qy 1 YLRIVQCRS-VEGSCGF 16
|||::|| ||||
Db 175 YLRVMKCRFVESSCAF 191

RESULT 48

US-07-621-197C-2
; Sequence 2, Application US/07621197C
; Patent No. 5310882
; GENERAL INFORMATION:
; APPLICANT: Chaleff Dr., Deborah T.
; TITLE OF INVENTION: Somatotropins with Alterations in the
; TITLE OF INVENTION: Alpha-Helix 3 Region, Alpha-Helix 2 Region Combinations
; TITLE OF INVENTION: Thereof, and in Combination with Other Mutations
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: 1937 West Main Street
; CITY: Stamford
; STATE: CT
; COUNTRY: United States of America
; ZIP: 06904-0060
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/621,197C
; FILING DATE: 19901130

; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Tsevdos Dr., Estelle J.
; REGISTRATION NUMBER: 31,145
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 203-321-2756
; TELEFAX: 203-321-2971
; TELEX: 710-474-4059
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 193 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-621-197C-2

Query Match 59.2%; Score 51.5; DB 1; Length 193;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

Qy 1 YLRIVQCRS-VEGSCGF 16
|||::|| ||||
Db 177 YLRVMKCRFVESSCAF 193

RESULT 49

US-08-363-982-2
; Sequence 2, Application US/08363982
; Patent No. 5548068
; GENERAL INFORMATION:
; APPLICANT: Fischer, Melr
; APPLICANT: Lebens, Michael R.
; APPLICANT: Chaleff, Deborah T.
; TITLE OF INVENTION: Somatotropins with Alterations in the
; TITLE OF INVENTION: Alpha-Helix 1 Region, and Combinations with Other
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John P. White, Cooper & Dunham
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,982
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/010,405
; FILING DATE: 28 JAN 1993
; APPLICATION NUMBER: US/07/621,656
; FILING DATE: 30-NOV-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 38360/JPW/LSW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 977-9550
; TELEFAX: (212) 664-0525
; TELEX: 422523 Coop ul
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 193 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-363-982-2

Job time: 161 sec

Query Match 59.2%; Score 51.5; DB 1; Length 193;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVQCRS-VEGSCGF 16
||||:| | | | |
Db 177 YLRVMKRRFEVSSCAF 193

RESULT 50

US-08-383-621-1
; Sequence 1, Application US/08383621
; Patent No. 5951972
; GENERAL INFORMATION:
; APPLICANT: Daley, Michael J.
; APPLICANT: Buckwalter, Brian L.
; APPLICANT: Cady, Susan M.
; APPLICANT: Shieh, Hong-Ming
; APPLICANT: Bohlen, Peter
; APPLICANT: Seddon, Andrew P.
; TITLE OF INVENTION: Stabilization Of Somatotropins And Other
; TITLE OF INVENTION: Proteins By Modification Of Cysteine Residues
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Dr. Estelle J. Tsevdos
; STREET: 1937 West Main Street, P.O. Box 60
; CITY: Stamford
; STATE: Connecticut
; COUNTRY: U.S.A.
; ZIP: 06904-0060
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/383,621
; FILING DATE: 06-FEB-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/766,142
; FILING DATE: 25-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Tsevdos, Estelle J.
; REGISTRATION NUMBER: 31,145
; REFERENCE/DOCKET NUMBER: 31,278-01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 203-321-2756
; TELEFAX: 203-321-2971
; TELEX: 203-710-474-4059
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 193 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-08-383-621-1

Query Match 59.2%; Score 51.5; DB 2; Length 193;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVQCRS-VEGSCGF 16
||||:| | | | |
Db 177 YLRVMKRRFEVSSCAF 193

Search completed: July 10, 2002, 08:25:39
